

10
SWALLOW.

A NEW
ALMANACK

for the Year of our
LORD GOD
1699.



Being the third after Bissextile or Leap-
year and from the Worlds Creation,
5701.

Calculated properly for the famous
Univerfity and Town of Cambridge, where
the North Pole is elevated 52 degr.
12 min. above the Horizon.

And may ferve indifferently for any other
place of this Kingdom.

Omnia false metit tempus.

CAMBRIDGE,
Printed by John Hayes, Printer to
the Univerfity, 1699.

**The Vulgar Notes and moveable Feasts for this
Year 1699, in both Accounts, viz.**

*Julian or
English;*

*Gregorian or
Foreign;*

	9	The Golden Number	9
	2	The Dominical Letter	D
	9	The Epact	9
	28	The Cycle of the Sun	28
Febr.	19	Shrove-sunday	March 1
April	9	Easter-day	April 19
May	18	Ascension-day	May 28
May	28	Whit-sunday	June 7
Decemb.	3	Advent-sunday	Novemb. 29

The Anatomy of Man's Body.



♈ Aries Head and Face	♎ Libra Reins and Loyns
♉ Taurus Neck and Throat	♏ Scorpio Secret Members
♊ Gemini Arms and Should.	♐ Sagittarius the Thighs
♋ Cancer Breast and Stomach	♑ Capricornus the Knees
♌ Leo Heart and Back	♒ Aquarius the Legs
♍ Virgo Bowels and Belly	♓ Pisces the Feet.

A Table of the Terms with their Returns.

Hilary Term begins January 23, and ends February 13, and hath 4 returns, viz.

Octab. Hilar.	Jan. 20
Quind. Hilar.	Jan. 27
Craft. Purif.	Febr. 3
Octab. Purif.	Febr. 10

Easter Term begins April 16, ends May 22 and hath 5 returns, viz.

Quind. Pasch.	April 24
Tres Pasch.	May 1
Mens. Pasch.	May 8
Quinq. Pasch.	May 15
Craft. Ascen.	May 19

Trinity Term begins June 6, and ends June 28, and hath 4 returns, viz.

Craft. Trin.	June 5
Octab. Trin.	June 12
Quind. Trin.	June 19
Tres Trin.	June 26

Michaelmas Term begins October 23, and ends November 28, and hath 6 returns, viz.

Tres Mich.	Octob. 20
Mens. Mich.	Octob. 27
Craft. Anim.	Novem. 3
Craft. Mart.	Novem. 13
Octab. Mart.	Novem. 18
Quind. Mart.	Novem. 25

Times prohibiting Marriage.

Marriage comes in on the 13 day of January, and at Septuagesima Sunday it is out again until Low Sunday; at which time it comes in again, and goes not out till Rogation Sunday: thence it is forbidden untill Trinity Sunday, from whence it is unforbidden till Advent Sunday: but then it goes out, and comes not in again till the 13 day of January next following.

Note that the Exchequer openeth 8 days before any Term begins except the Term of Trinity, in which it openeth but 4 days before.

January hath xxxi days.

Full moon the 5 day, 59 min. past 6 at night.
 Last quarter the 13 day, 10 min. in the morning.
 New moon the 21 day, 58 min. past 3 in the morning.
 First quarter the 28 day, 20 min. past 2 afternoon.

1	A	Circumcision	21	43	Taur.	12	Windy with
2	b	Octab Steph.	22	44	Gem.	6	some rain or
3	c	Octab. John.	23	45		21	snow.
4	d	Octab. Innoc.	24	46	Canc.	7	
5	e	Simeon	25	47		21	
6	f	Epiphany	26	49	Leo	6	
7	g	Julian	27	50		21	
8	A	1 after Epiph.	28	51	Virgo	5	
9	b	Marcell	29	52		19	
10	c	Sun in Aquar.	0 ⁰⁰ 53		Libra	2	Mild weather
11	d	Hyginus	1	54		15	for the time
12	e	Satyrus	2	55		27	of the year.
13	f	Hilary B.	3	57	Scorp.	9	
14	g	Felix	4	58		21	
15	A	2 after Epiph.	5	59	Sagit.	3	
16	b	Marcellus	7	0		15	
17	c	Anthony	8	1		27	
18	d	Prisca	9	2	Capr.	9	
19	e	Dontian	10	3		20	
20	f	Octab. Hillar.	11	4	Aquar.	3	Some snow
21	g	Agneta	12	5		15	about this
22	A	3 after Epiph.	13	5		28	time.
23	b	Term begins	14	6	Pisces	11	
24	c	Timothy	15	7		24	
25	d	Conv. S. Paul	16	8	Aries	7	
26	e	Polycarp	17	9		21	
27	f	Quind. Hillar.	18	10	Taur.	4	
28	g	Care, M.	19	10		18	Cold frosty
29	A	4 after Epiph.	20	11	Gem.	2	weather about
30	b	E.C.I. Mart.	21	12		16	the end of the
31	c	Cyrillus	22	13	Canc.	1	moneth.

February hath xxviii days.

Full moon the 4 day, 49 min. past 2 in the morning.
 Last quarter the 11 day, 58 min. past 7 at night.
 New moon the 9 day, 52 min. past 7 at night.
 First quarter the 26 day, 42 min. past 9 at night.

W.D.	Festival days with terms.	☉ place		Moons place.	Inclination of the Air.
		d.	m.		
1	bridges	23	13	Canc.	15
2	Purif. V. M.	24	14	Leo	0
3	Craft. Purif.	25	15		14
4	Hexagona	26	15		29
5	Septuagesima	27	16	Virgo	13
6	Dorothy	28	16		26
7	Barthol.	29	17	Libra	10
8	Sun in Pices	0	17		23
9	Apollon	1	18	Scorp.	5
10	Octab. Purif.	2	18		17
11	Euphron	3	19		29
12	Sexagesima	4	19	Sagit.	11
13	Term ends	5	19		23
14	Valentine	6	20	Capr.	5
15	Fastin	7	20		17
16	Juliana	8	20		29
17	Dioscorus	9	20	Aquar.	11
18	Concordia	10	20		24
19	Shrove Sunday	11	21	Pisces	7
20	Gr'ed	12	21		20
21	Wales	13	21	Aries	3
22	Cinerum	14	21		17
23	Serenes	15	21	Taur.	1
24	S. Matthias	16	21		15
25	Inven. Pauli	17	21		29
26	Quadragesima	18	20	Gem.	13
27	Rekor	19	20		17
28	Roman	20	20	Canc.	11

March hath xxxi days.

Full moon the 5 day, 14 min. past 7 at night.
 Last quarter the 13 day, 45 min. past 3 in the afternoon.
 New moon the 21 day, 54 min. past 8 in the morning.
 First quarter 28 day, 13 min. past 3 in the morning.

1	a	Ember week	21	a	Canc.	25	
2	e	Cedens B.	22	20	Leo	9	Cold winds
3	f	Cunigund	23	19		23	with some
4	g	Adrian	24	19	Virgo	7	wet,
5	a	2 Sun. in Lent	25	19		21	
6	b	Frodelin	26	18	Libra	4	
7	c	Herpetus	27	18		18	
8	d	Cyprian	28	17	Scorp.	6	
9	e	Prudent	29	17		13	
10	f	Sun in Aries	o v	16		25	Blustering
11	g	Osmin	1	16	Sagit.	7	winds with
12	a	3 fund in Lent	2	15		19	cold frosty
13	b	Euphrasia	3	14	Capr.	1	mornings.
14	c	Eutychus	4	14		13	
15	d	Longinus	5	13		25	
16	e	Heribert	6	12	Aquar.	7	
17	f	Gerardus	7	12		19	
18	g	Edward R.	8	11	Pisces	2	
19	a	Mildlent sun.	9	10		15	Storms of
20	b	Eustbert	10	9		29	snow and some
21	c	Benedict	11	8	Aries	12	rain.
22	d	Schrodus	12	7		26	
23	e	Victorian	13	6	Taur.	11	
24	f	Quirinus	14	5		25	
25	g	Lady day	15	4	Gem.	10	
26	a	5 Sund. in Lent	16	3		24	
27	b	Abn Crem.	17	2	Canc.	8	
28	c	Gideon	18	1		22	Now more
29	d	Eustach	18	59	Leo	6	mild and
30	e	Caldo	19	58		20	somewhat dry.
31	f	Walbinus	20	57	Virgo	3	

April hath xxx days.

Full moon the 4 day, 50 min. past 8 in the morning.
 Last quarter the 12 day, 44 min. past 9 in the forenoon.
 New moon the 9 day, 46 min. past 6 afternoon.
 First quarter the 25 day, 4 min. past 1 afternoon.

1	b	Theodore	21	55	Virgo	17	
2	a	Palm Sunday	22	54	Libra	0	
3	b	Alban	23	52		13	Windy and
4	c	Embrose	24	51		26	cold for the
5	d	Vincent	25	50	Scorp.	9	time of the
6	e	St. Vincent	26	48		22	year.
7	f	Good Friday	27	47	Sagit.	3	
8	g	Dionysus	28	45		15	
9	a	Easter Sunday	29	43		27	
10	b	Sun in Taur.	0	42	Capr.	9	
11	c	Leo	1	40		21	
12	d	Valus	2	38	Aquar.	3	
13	e	Justus	3	37		15	
14	f	Charlus	4	35		27	
15	g	Perpetuus	5	33	Pifces	10	Storms of rain
16	a	Low-Sunday	6	31		23	and hail very
17	b	Insectus	7	29	Aries	7	seasonable.
18	c	Valerian	8	27		21	
19	d	Simon	9	25	Taur.	5	
20	e	Dulpitius	10	24		20	
21	f	Simon	11	22	Gem.	4	
22	g	Quintus	12	20		19	
23	a	1. after Easter	13	17	Canc.	4	
24	b	Quind. Pasch.	14	15		19	
25	c	S. Mark	15	13	Leo	3	
26	d	Term begins	16	11		17	About this
27	e	Basilius	17	9	Virgo	0	time some-
28	f	Vitalis	18	7		14	what cold for
29	g	Pet. de mil.	19	5		27	the season of
30	a	Q. M. 2. born	20	2	Libra	10	the year.

May hath xxxi. days.

Full moon 3 day, 13 min. past 11 at night.

Last quarter 12 day, 10 min. past 2 in the morning.

New moon the 19 day, 43 min. past 2 in the forenoon.

First quarter the 25 day, 7 min. past 5 in the afternoon.

1	b	Phil. & Jacob.	21	50	Libra	22	
2	c	Thomas	21	58	Scorp.	5	
3	d	Invent. Crucis	22	55		17	Cold batter-
4	e	Florianus	23	53		29	ing rains a-
5	f	Gothard	24	51	Sagit.	12	bout this time.
6	g	Joh. Port. Lat.	25	48		24	
7	a	4 after Easter	26	46	Capr.	5	
8	b	Mens Pasch.	27	43		17	
9	c	Einash	28	41		29	
10	d	Goldion, &c.	29	38	Aquar.	11	
11	e	Sun, in Gem.	01	36		23	
12	f	Manrat	1	33	Pifces	5	
13	g	Herbasus	2	31		18	
14	a	5 after Easter	3	28	Aries	1	Cloudy wea-
15	b	Quinq. Pasch.	4	26		15	ther with high
16	c	Peregrin.	5	23		29	winds and
17	d	Cozpetus	6	20	Taur.	1	somewhat cold
18	e	Ascension Day	7	18		28	as yet.
19	f	Craft. Ascen.	8	1	Gem.	13	
20	g	Durhan	9	12		28	
21	a	6 after Easter	10	10	Canc.	13	
22	b	Term ends	11	7		28	
23	c	Deiber.	12	54	Leo	13	
24	d	Escher	13	1		27	
25	e	Urban	13	59	Virgo	10	Now more
26	f	Quadrains	14	56		24	pleasant with
27	g	Beda V.	15	5	Libra	7	seasonable
28	a	Whit-funday	16	50		19	showers and
29	b	K. Ch. II. Nat	17	48	Scorp.	2	some thunder.
30	c	Wigantus	18	45		14	
31	d	Ember-Week	19	42		26	

June hath xxx days.

Full moon the 2 day, 12 min. past noon.

Last quarter the 10 day, 16 min. past 3 in the afternoon.

New moon the 17 day, 32 min. past 9 before noon.

First quarter 23 day, 45 min. past 11 at night.

1	e	Damphilus	20	39	Sagit.	8	
2	f	Marcellin.	21	36		20	Fine growing
3	g	Crispinus	22	33	Capr.	2	weather with
4	a	Trinity Sun.	23	30		14	some showers
5	b	Craft. Trin.	24	27		26	of rain and
6	c	Artemius	25	25	Aquar.	8	hail.
7	d	Paulinus	26	22		20	
8	e	Medardus	27	19	Pisces	2	
9	f	Term begins	28	16		14	
10	g	Getulicus	29	13		27	
11	a	S. Barnabas	0	10	Aries	10	Sun in Canc.
12	b	Octab. Trin.	1	7		24	
13	c	Cyrillus	2	4	Taur.	7	Now some-
14	d	Marcellinus	3	1		22	what dry.
15	e	Julius, &c.	3	58	Gem.	6	
16	f	Isidore	4	56		21	
17	g	Rochus	5	53	Canc.	6	
18	a	2 after Trin.	6	50		22	
19	b	Quind. Trin.	7	47	Leo	7	
20	c	Regina	8	44		22	
21	d	Walburg.	9	41	Virgo	6	Fine pleasant
22	e	Alban	10	38		20	showers with
23	f	Basilus	11	35	Libra	3	thunder.
24	g	S. John Bapt.	12	32		16	
25	a	3 after Trin.	13	29		29	
26	b	Tres Trin.	14	26	Scorp.	11	
27	c	Jeremias	15	23		33	
28	d	Term ends	16	20	Sagit.	5	Now inclining
29	e	S. Pet. & Paul	17	17		17	to heat.
30	f	Lucina	18	14		24	

July hath xxxi days.

Full moon the 2 day, 22 min. past 5 in the morn.
 Last quarter the 10 day, 27 min. past 2 in the morning.
 New moon the 16 day, 38 min. past 4 afternoon.
 First quarter the 23 day, 53 min. past 4 afternoon.
 Full moon 31 day, 52 min. past 7 at night.

1	Tr. Strith	19	Capr.	11	Hot sultry
2	4 after Trin.	20	9	23	weather at
3	Conneling	21	6	5	the beginning
4	Ulricus	22	3	17	of the month
5	Walselm.	23	0	29	with some
6	Tranquill.	23	57	11	thunder.
7	Tr. C. Beck.	24	54	24	
8	Grimbald	25	51	6	
9	5 after Trin.	26	49	19	
10	7 Frates	27	46	30	
11	Benedict	28	43	16	
12	Baba; &c.	29	40	1	
13	Sun in Leo	0	37	15	
14	Bonavent	1	35	0	Good hay
15	Swithin	2	32	15	weather about
16	6 after Trin.	3	29	0	the middle of
17	Willarins	4	26	15	this month.
18	Bleking	5	24	0	
19	Dog days beg.	6	21	14	
20	Margaret	7	18	28	
21	Braxeda	8	16	12	
22	War. Mag.	9	13	25	
23	7 after Trin.	10	10	8	
24	Christiana	11	8	20	
25	S. James	12	5	2	
26	Anna	13	3	14	Hot with
27	Martha	14	0	26	some hasty
28	Barthol	14	58	8	showers and
29	Felts	15	55	20	thunder to-
30	8 after Trin.	16	53	2	wards the
31	German	17	50	15	end.

August hath xxxi days.

Last quarter the 8 day, 10 min. past 10 before noon.
 New moon the 5 day, 32 min. past 1 in the morn.
 First quarter the 22 day, 49 min. past 8 in the morning.
 Full moon the 30 day, 22 min. past 10 before noon.

c	Lammas day	18	48	Aquar.	26	
d	Moles	19	45	Pisces	8	Windy and
e	Bristarch.	20	43		21	dry.
f	Dominic	21	41	Aries	3	
g	Fest. nivis	22	38		16	
h	9 after Trin.	23	36		29	
i	Cyrilcus	24	34	Taur.	11	
j	Romanus	25	31		16	
k	Theodof.	26	29	Gem.	10	Good Harvest
l	Lawrence	27	27		25	weather, and
m	Cibarius	28	25	Ganc.	9	moderate as
n	Clara, V.	29	23		24	to heat.
o	Sun in Virgo.	0	21	Leo	9	
p	Ensebius	1	19		23	
q	Assump. V.M.	2	17	Virgo	8	
r	Nochus	3	15		22	
s	Agapitus	4	13	Libra	7	
t	Helena	5	11		20	High winds
u	Mag. Mart.	6	9	Scorp.	3	and some
v	11 after Trin.	7	7		16	wet.
w	Privatus	8	5		28	
x	Symon	9	3	Sagit.	10	
y	Sachaus	10	1		22	
z	S. Bartholom.	10	58	Capr.	4	
1	Rob'tc.	11	58		16	
2	Severus	12	56		28	Black clouds
3	Dog days end.	13	54	Aquar.	10	with some
4	Augustin	14	53		22	thunder.
5	Decol. J. B.	15	51	Pisces	4	
6	Felis	16	46		17	
7	Paulinus	17	43	Aries	0	

September hath xxx days.

Last quarter the 6 day, 15 min. past 4 afternoon.

New moon the 13 day, 29 min. past 10 before noon.

First quarter the 21 day, 4 min. past 3 in the morning.

Full moon the 29 day, 10 min. past 2 in the morning.

1	f	Egidius	18	45	Aries	13	
2	g	Anthony	19	45		26	
3	a	13 after Trin.	20	43	Taur.	10	The weather
4	b	Theodora	21	42		23	now grows
5	c	Abel	22	41	Gem.	7	cool, and some
6	d	Magnus	23	39		21	rain follows.
7	e	Regina	24	38	Canc.	5	
8	f	Nat. V. M.	25	37		19	
9	g	Gozgon	26	35	Leo	4	
10	a	14 after Trin.	27	34		18	
11	b	Felix	28	33	Virgo	3	
12	c	Guido	29	32		17	
13	d	Sun in Libra	0	31	Libra	1	Windy, raw.
14	e	Exalt. Crucis	1	30		15	wet and misty
15	f	Nicodem.	2	29		28	weather about
16	g	Edith	3	28	Scorp.	12	this time.
17	a	15 after Trin.	4	27		24	
18	b	Perceus	5	26	Sagit.	6	
19	c	Januarius	6	25		18	
20	d	Winter week	7	24	Capr.	0	
21	e	S. Matthew	8	23		12	
22	f	Maurice	9	23		24	
23	g	Acila, Vir.	10	22	Aquar.	6	Now the air
24	a	16 after Trin.	11	21		18	grows rough
25	b	Alephas	12	20	Pisces	0	and cold, yet
26	c	Cyprian	13	20		13	indifferent
27	d	Cosm. Dam.	14	19		26	good weather
28	e	Wencesl.	15	19	Aries	9	for the time
29	f	S. Michael	16	18		28	of the year.
30	g	Hieronym	17	18	Taur.	6	

October hath xxii days.

Last quarter the 5 day, 47 min. past 9 at night.
 New moon the 12 day, 41 min. past 10 at night.
 First quarter the 20 day, 43 min. past 10 at night.
 Full moon the 28 day, 26 min. past noon.

1	A	17 after Trin.	18	17	Taur.	20	
2	B	Lozeget	19	17	Gem.	4	
3	C	Maximus	20	17		18	Fine moderate
4	D	Francis	21	16	Canc.	2	weather about
5	E	Constance	22	16		16	the beginning.
6	F	Libra Vir.	23	16	Leo	0	
7	G	Marcus, &c.	24	15		14	
8	A	18 after Trin.	25	15		28	
9	B	Dionysius	26	15	Virgo	12	
10	C	Burchard.	27	15		26	
11	D	Edmon	28	15	Libra	10	High winds
12	E	Colman	29	15		23	with some
13	F	Surin Scorpio	0	15	Scorp.	6	rain.
14	G	Calixtus	1	15		19	
15	A	19 after Trin.	2	15	Sagit.	2	
16	B	Gallus	3	15		14	
17	C	Florent.	4	15		26	
18	D	S. Luke Ey.	5	15	Capr.	8	
19	E	Ptolemy	6	15		20	Cold winterly
20	F	Tres Mich.	7	16	Aquar.	2	weather, but
21	G	Cozula	8	16		14	soon alters.
22	A	20 after Trin.	9	16		26	
23	B	Term begins	10	16	Pisces	8	
24	C	Agot &c.	11	17		20	
25	D	Crispin	12	17	Aries	3	
26	E	Amandus	13	17		17	
27	F	Mens. Mich.	14	18	Tuar.	0	Variable and
28	G	S. Sim. & Jude	15	18		15	unsettled wea-
29	A	21 after Trin.	16	19		29	ther towards
30	B	Theoness.	17	19	Gem.	13	the end.
31	C	Wolfgang	18	20		28	

November hath xxx days.

Last quarter the 3 day, 25 min. past 8 at night.
 New moon the 11 day, 43 min. past 2 afternoon.
 First quarter the 19 day, 37 min. past 6 at night.
 Full moon the 27 day, 3 min. in the morning.

1	D	All Saints	19	20	Canc.	13	
2	E	Omn. Anim.	20	21		27	Good weather
3	F	Craft. Anim.	21	22	Leo	11	the season
4	G	K.W. 3. born	22	23		25	considered.
5	A	Powder Plot	23	24	Virgo	9	
6	B	Leonard	24	25		23	
7	C	Florent.	25	26	Libra	0	
8	D	Severus	26	27		19	
9	E	Chesdase	27	28	Scorp.	2	
10	F	Martin P.	28	29		15	Somewhat
11	G	Martin Ep.	29	30		28	turbulent air
12	A	San in Sagit.	0	1	Sagit.	10	with wind and
13	B	Craft. Mart.	1	2		22	wet.
14	C	Fredaris	2	3	Capr.	4	
15	D	Leopold	3	4		16	
16	E	Ormarus	4	5		28	
17	F	Walsing	5	6	Aquar.	10	
18	G	Octab. Mart.	6	7		22	Variable
19	A	24 after Trin.	7	8	Pisces	4	weather with
20	B	Eugenius	8	9		16	some snow
21	C	Obl. t. V.M	9	10		29	or rain.
22	D	Zeellia	10	11	Aries	12	
23	E	Element	11	12		25	
24	F	Chrylogon.	12	13	Taur.	9	
25	G	Quind. Mart.	13	14		23	
26	A	25 after Trin.	14	15	Gem.	7	Some little
27	B	Gunter	15	16		22	frosts towards
28	C	Term ends	16	17	Canc.	7	the end of
29	D	Saturn	17	18		22	the month.
30	E	S. Andrew	18	19	Leo	7	

December hath xxxi days.

1st quarter the 3 day, 11 min. past 8 in the morning.
 New moon the 11 day, 51 min. past 8 in the morn.
 1st quarter the 19 day, 56 min. past noon.
 Full moon the 26 day, 58 min. past 10 before noon.

f	Eligius	19	49	Leo	21	
g	Libanus	20	50	Virgo	20	
h	Advent Sund.	21	51		19	Now some-
i	Barbara	22	52	Libra	3	what cold
e	Abelina	23	53		16	with wind
d	Nicholas	24	55		29	and wet.
e	Agstb, M.	25	56	Scorp.	12	
f	Concep B.V.	26	57		24	
g	Cyprian	27	58	Sagit.	7	
h	2 sun. in Adv.	29	0		19	
i	Sun in Capr.	0	1	Capr.	1	
e	Melertus	1	2		13	Clofe dark
h	Aneta, Virg.	2	4		25	weather.
e	Nichann	3	5	Aquar	7	
f	Gregam	4	6		19	
g	O Sapientia	5	7	Pisces	0	
h	3 sun. in Adv.	6	9		12	
i	Ensus	7	10		25	
e	Loth	8	11	Aries	7	Very good
d	Amber week	9	13		20	weather for
e	S. Thomas	10	14	Taur.	3	the season.
f	30 Mart.	11	15		17	
g	Agstb	12	17	Gem.	1	
h	4 sun. in Adv.	13	18		15	
i	Christmas day	14	19	Canc.	0	
e	S. Stephen	15	20		15	
d	S. John	16	22	Leo	0	Frost with
e	H. Innocents.	17	23		15	some snow
f	Jonathan	18	24	Virgo	0	or rain.
g	Wald	19	25		15	
h	1 sun. aft. Chr.	20	27		29	

Swallow 1699.

A Regal Table in a more exact manner.

The Year, Month, and Day, (accorating the Year to begin Jan. 1.) wherison every King and Queen of Eng. since the Conquest began their reign.				The number of Years, Months, and Days, that every K. and Q. reigned 28 da. to a month.				The num. of Y. expired in this Y. since they began to reign: as also since they ended.				
K. W. Conq.	1066	Octob.	14	20	y	11	m	22	d	633		
W. Rufus	1087	Sept.	9	12	y	11	m	18	d	612	K. W. Conq.	
Henry	1100	August	1	35	y	4	m	11	d	599	W. Rufus	
Steven	1135	Decem.	2	18	y	11	m	18	d	563	Henry	1
Henry	1155	Octob.	25	34	y	9	m	2	d	545	Steven	2
Richard	1189	July	6	9	y	9	m	0	d	510	Henry	3
John	1199	April	6	17	y	7	m	0	d	500	Richard	4
Henry	1216	Octob.	19	56	y	1	m	0	d	478	John	5
Edward	1272	Nov.	16	34	y	8	m	6	d	433	Henry	6
Edward	1307	July	7	19	y	7	m	5	d	392	Edward	7
Edward	1327	Jan.	25	50	y	5	m	7	d	372	Edward	8
Richard	1377	June	21	22	y	3	m	14	d	322	Edward	9
Henry	1399	Sept.	29	13	y	6	m	3	d	300	Richard	10
Henry	1413	March	20	9	y	5	m	24	d	286	Henry	11
Henry	1422	August	31	38	y	6	m	16	d	277	Henry	12
Edward	1461	March	4	22	y	1	m	8	d	238	Henry	13
Edward	1483	April	9	0	y	2	m	18	d	216	Edward	14
Richard	1483	June	22	2	y	2	m	5	d	216	Edward	15
Henry	1485	August	22	23	y	10	m	24	d	214	Richard	16
Henry	1509	April	23	37	y	10	m	2	d	190	Henry	17
Edward	1547	Jan.	28	6	y	5	m	19	d	152	Henry	18
Q. Mary	1553	July	6	5	y	4	m	22	d	146	Edward	19
Q. Elizabeth	1558	Nov.	17	44	y	4	m	15	d	141	Q. Mary	20
James	1603	Marsh	24	22	y	0	m	3	d	97	Q. Elizabeth	21
Charles	1625	March	27	22	y	10	m	3	d	74	James	22
Charles	1648	Jan.	30	35	y	0	m	0	d	50	Charles	23
James	1685	Febr.	6	4	y	0	m	0	d	14	Charles	24
William	1688	Febr.	13	Whom God grant long to Reign.					10	James	25	

The Use of the Table in Example.

King Henry 8 began his Reign in the Year of Christ 1509. April 22. He reigned 37 years, 10 months, and 2 days. It is since he began his Reign 190 Years compleat the 22 of April this Year 1699. Now to know the time since the end of his Reign before his Name standing on the right hand, you shall there find 152 Years since he died, Jan. 28. and so of the rest.

SWALLOW.

SWALLOW.

The latter part of this

ALMANACK

for the Year of our

LORD GOD

1699.

Being the Third after Bissextile or Leap-year, and from the Conquest of England by William Duke of Normandy 633 years.

Wherein is contained an account of the Eclipses, the time of the Sun's entrance into the four Cardinal Signs. Likewise a Table shewing the Time of the Moons coming to the South, and Quantity of her shining, &c. A Table shewing the time of Day-break, & Twilight for every 10th. day throughout the Year. Also the particular Intensions or Remissions of Heat and cold, which happen by the position of the Planets. A Table of Weights and Measures, and the Value of Foreign Coins in English Money. Also Tables and Rules how to measure Board and Timber, a Table of Interest, Tables for Purchasing and putting out of money for Interest upon Interest, as also a Table shewing the rising and setting of the Sun, &c. with the Fairs in a larger manner than formerly.

CAMBRIDGE,

Printed by John Hayes, Printer to the University, 1699.

Swallow 1699.

The Eclipses for the year 1699.

Four times will the Luminaries of Heaven be Eclipsed this year, twice the Sun, the Moon as often

The first will be an Eclipse of the Moon, on *March* the 20 day, at 8 of the Clock at night, in 2 degrees of the Celestial Virgin; it will be visible if the Air be clear and Ten parts of the Moons body will be darkned.

The second will be of the Sun, on *March* the 21, about Eight in the Morning; it happens in 11 degrees of Aries it will be but a small Eclipse, and scarcely visible to us.

The third will be an Eclipse of the Moon, on *August* the 30th day near noon, and therefore must be invisible to us in *England*; it is Celebrated in 17 degrees of the Celestial Fishes, and will be a total and visible Defect unto such as inhabit our Antipodes.

The last will be of the Sun, on *September* the 13th about 11 before noon, and it is Celebrated in the beginning of *Libra*. It will be a great and visible Eclipse, and ten Digits of the Suns body will be darkned. It's observable also, that at the time of this Eclipse, there happens an Opposition of the two Infortunes, ♄ and ♀, from ♄ and ♀, which will notably aggravate the Effects thereof.

The Suns entrance into the four Cardinal Signs.

HE enters ♈, *March* the 11, 33 minutes past 10 in the morning, and then begins our Spring Quarter.

He enters ♋, *June* the 13, 3 minutes past noon, and then begins our Summer Quarter.

He enters ♏, *September* the 14, 1 minute past 4 in the afternoon, and then begins our Autumn.

He enters ♐, *December* the 13, 53 minutes past 3 in the morning, and then begins our Winter Quarter.

A true Computation of some things memorable.

The World began	5702
Noah's Flood	4047
The birth of Abraham	3694
The birth of Isaac	3094
The birth of Jacob	3435
The birth of Joseph	3443
Joseph was sold by his Brethren	325
Jacob went down into Egypt	3404
Moses was born	3269
The giving of the Law upon Mount Sinai	3189
Moses died	3149
David began to reign	2753
Solomon began to build the Temple	2710
Nebuchadnezzar burnt it	2286
Zorobabel began again to build it	2210
The building of the Tower in London	2117
Alexander the Great died	2022
The building of Cambridge	1999
Julius Caesar conquered Britain	1750
The destruction of Jerusalem by Titus	1629
S. John wrote his Revelation	1609
Lucius the first Christian King began	1519
Constantine the first Christian Emp. began	1375
Cambridge was made an University	1065
The first Mayor of London	509
The invention of Guns	319
The invention of Printing	259
Tilbury Camp on S. James his day	111
The Powder Treason, Novemb. 5.	94
The beginning of the Great Frost, Novemb.	94
The last great Plague in London	34
London almost consumed by fire	33
S ^t Edmund-Bury Godfrey was Murdered Octob.	21
Monmouth was beheaded July 15.	14
King James II. Abdicated in December 1688.	11
King William and Q. Mary Crown'd Apr. 11. 1689.	10

Swallow 1699.

A Table shewing the time of the Moons coming to the South, and quantity of her shining for the ready finding the hour of the night.

The Moons age.		Moons southing and thin.		Moons age for her sett.	
1	16	0	48	1	29
2	17	1	36	2	28
3	18	2	24	3	27
4	19	3	12	4	26
5	20	4	0	5	25
6	21	5	48	6	24
7	22	5	36	7	23
8	23	6	24	8	22
9	24	7	12	9	21
10	25	8	0	10	20
11	26	8	48	11	19
12	27	9	36	12	18
13	28	10	24	13	17
14	29	11	12	14	16
15	30	12	0	15	

The first Column of this Table shews at what age the Moon rises after Sun setting, or after his rising, so many hours and minutes as the middle Column shews, as at 1 days old she rises 1 hour and 36 minutes after the Sun, and at 17 days old she rises 1 hour and 36 min. after Sun-setting, &c. the third Column is for the Moons setting, as at 2 days old she sets 1 hour and 36 min. before the Sun, &c. the middle Column shews how many hours and minutes the Moon shines, which from New M on, to Full Moon is to be used with the third Column, so for her southing, as at 6 days old she is upon the Meridian 48. min. past 5 at night, but at 24 days old she souths 48 minutes past 9 in the morning.

Table whereby you may find the time of highwater at many Havens in and about England, and how many hours and minutes are to be added to the time of the Moons coming to the South for the time of high water, and likewise what Moon makes a full Sea at those Havens.

South and North	Quinborough, Southampton, Portsmouth, mouth, Isle of Wight, Spits, Kentish-knock.	Ho. M
by w	Rochester, Malden, Aberdeen, Redband.	0 45
S. w.	Gravesend, Downs, Runney Tennyet,illy.	1 50
W. by S	Dundee S. Andr. S. Lucas, Bellisle, Holy Isl.	2 15
S. w.	London, Tinnout, Hartpool, Whitebay, amf.	3 0
W. by w	Barwie, Flambrough-h. Bridlington-bay.	3 45
W. S. w.	Scarborough, Severn, Mounes-bay, Kingsale.	4 30
W. by S.	Newcast. Number, Falmouth, Dartmouth.	5 15
E. and w	Plimouth, Weymouth, Hull, Lyn, Antwerp.	6 0
E. by S.	Bristol, Foulness at the start.	6 45
S. S. E	Milford, Bridgew. Landsen, Waterford.	7 30
SE. by E	Portland, Peterport, Harflew, Hague, Dublin.	8 15
SS. E	Pool, S. Hellen, Orkney, Carnes, Man-Isle,	9 0
E. by S.	Needles, Laifo, North & South ferelands	9 45
S. S. E	Yarmout, Dover, Harwich, Calice-Road	10 30
S by E.	Ry, Winchelsey, Goree, Thames, Rhodes	11 15
Moons	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	MOON
age	16 17 18 19 20 21 22 23 24 25 26 27 28 29 30	age
South	12 1 2 3 4 5 6 7 8 8 9 10 11 12	H.
at	48 36 24 12 0 48 36 24 12 0 48 36 24 12	0 M.

The Tide Table Explained.

IN the first Column you have the point of the Compass to the which the Moon coming maketh full Sea at those Havens mentioned in the second Column, and in the third Column are the hours and minutes to be added to the time of the Moons southing. I shall make it plain by an example.

Swallow 1699.

The 4 of February this Year 1699. I would know a what hour it will be Full Sea at London-bridge. First find the Moons age in the former part of the Almanack (accounting it from the Change) to be 14 days old, which age I find at the bottom of the Tide-table, and under the same 12 hours, the time of the Moons coming to the South then finding in the first Column that a South-west Moon makes full Sea at London, I add to her southing 3 hours as is shewed in the last Column, and it makes 15 hours from whence I take 12 for midnight, and there remains 3 hours in the morning, the time of full Sea at London-bridge; also observe that when the Moon cometh to the contrary, or North-east point, it is there full Sea again.

A Table shewing the time of Day-break, and Twiligh for every 10th. day throughout the Year.

Month	Day-break		Twilight		Month	Day-break		Twilight	
	h	m	h	m		h	m		
Jan	1	5	54	6	July	1			
	11	5	45	6		11	0	42	11
	21	5	35	6		21	1	22	10
Feb.	1	5	17	6	Aug.	1	2	0	0
	11	5	0	7		11	2	21	9
	21	4	45	7		21	3	0	9
Mar.	1	4	20	7	Sept.	1	3	30	8
	11	3	5	8		11	3	59	8
	21	3	34	8		21	4	19	7
Apr.	1	3	55	8	Octob.	1	4	48	7
	11	2	38	9		11	5	10	7
	21	2	2	9		21	5	8	6
May	1	1	30	10	Nov.	1	5	37	6
	11	0	30	11		11	5	45	6
	21		All Day			21	5	54	6
June	1		and		Dec.	1	5	57	6
	11		no Night.			11	5	0	6
	21		all Day.			21	5	8	6

of the particular Intensions or Remissions of Heat and Cold, which happen by the Position of the Planets.

THE first Consideration that offereth it self, is the place and position of the Planets, w^{ho} moving under the Zodiack, do for the same Reasons, receive the same increase and abatement of force in their Operations, which the Sun doth, in his various position and distance from us, for seeing the power of Saturn consisteth chiefly in cold and congealed Meteors, it followeth for an infallible Maxim, that we are then pinched with the sharpest and coldest Winters, when Saturn having surmounted the Equinoctial, shineth in the Septentrional signs nearest over our Heads, by means whereof as the Suns force begins to grow weak, during his scituation in those signs, his Cold influence shall prevail still more and more, as well because of his slow motion and long continuance in one place, as also by reason of the more direct projection of his Beams, and great described Ark above the Horizon; in all which Respects his Impression most then be most, and the rather because he then becometh nearest to the Earth, and all Light the nearer it is, the more strongly it doth illuminate the Object, and consequently work upon it, as Experience testifies, for it hath been observed, that when Saturn hath been in π , or other the most Northern signs, the Effects of his Cold influence were so lasting and hurtfull, as cannot be so easily forgotten: On the contrary, when he's found to be in γ , or other the most Southern signs, the Winter is observed

served to pass away without considerable Cold, because in the Northern Signs he's nearest, and in the Southern furthest from our Earth, and so consequently strongest or weakest in operation. Judge the like of the other Planets.

Next the scituation and place of the Planets, that intension and remission of Heat and Cold which happeneth by the motion of the Planets, is to be considered. Not that the diversity of motions altereth the Nature of the Planets, which is ever the same, but because in regard hereof they work not after one manner in every place, nor yet alike in the same place at the same position, but diversly in all places, as the force of their operation is increased or diminished through this diversity of their particular motions, and then diversly applied by the diurnal Revolution of the Heavens unto the matter of sublunary things. For as is evident to those that are acquainted with the Theoricks, the Centre of their Orbs differing from the Centre of the World, causeth them in respect of us to move irregularly, as sometimes Direct, or according to the succession of the Signs; sometimes Retrograde, or against their order; their motion also for the same reason being sometimes swift, sometimes slow, and sometimes nothing at all but Stationary. Which great diversity must of necessity cause variety in manner of their operation, for as the motion of a Planet that is Direct, doth greatly avail to his long stay and continuance above the Horizon, in that it comprehendeth more than one entire period of the Equinoctial in his Diurnal Revolution: so that Planet which is Retrograde seemeth not only to forsake his own natural course, but also he is esteemed purposely to refuse that opportunity of strengthening his operation by long continuance above the Horizon, which by holding on a Direct course he doth obtain, yet notwithstanding,

Swallow 1699.

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it is to be observed that a Retrograde Planet, doth by means of this Passion, pass, return, and repass, the same small Ark of the Zodiack thrice in few days, whereby the former loss which he suffereth through the interruption of his diurnal Ark, is as it were treble recompensed by this threefold reiteration of the same course.

The next is intension and remission by Configurations or Aspects of the Stars, which cause savoureth nothing of Matter, but hath onely consideration of form, not so much respecting the streight Beams of Light which flow from every Star, as valuing and esteeming how their Beams meet at the Earth between us and their Light; but when they are hidden under the Earth or Horizon, and seem above the same, it maketh the Efficacy of the Stars more notable over all the World than at other times. Which kind of operation, if the Stars be swift in motion, is in a manner but momentary; for that the Geometrical Angle being changed into another impropportionable and improper, immediately or not long after, this efficacy also ceaseth, though the light of the Star at that time chance to increase: for which cause the Aspects of the Moon with other Planets are not so much to be regarded in the alteration of the weather, as the Configurations of the Planets amongst themselves, or with the fixed Stars, whose motion being slow in respect of the Moons, doth not so suddenly vary the angle of their Configuration at the Earth. From hence it is that those Arks or Portions of the Heaven allotted unto the Aspects are not so much esteemed in Astrological Judgments. For although, in all scituations the Stars send forth their Beams unto all the parts of Heaven and Earth which they behold, by means whereof the Beams and Lines of true motion in every two Stars do retain a mutual respect one to another, and so do evermore intercept
some

some Ark of Heaven, and concur at some Angle of the Earth, which may seem to make an Aspect among themselves: yet nevertheless are there but five Aspects more especially regarded, as ☉, ♀, ☿, ♄, and ♀, which proportionable distances, may as powerfully affect the matter of sublunary things, as the like Geometrical symmetry in sound doth our ears.

The Nature of the four principal Winds, and their effects.

1. *Subolanus*, or the East-wind, is hot and dry, temperate, sweet, pure, subtil, and healthful, and especially in the morning, when the Sun riseth, by whom he is made more pure and subtil, causing no infection to mans body, but expelling it.

2. *Zephyrus*, or the West-wind, is temperate, hot and moist, and wholesome, especially in the evening; it dissolveth frost, ice and snow, and maketh flowers and grasse to spring, and some write that it produceth thunder.

3. *Septentrio*, or the North-wind, is for the most part cold and dry, repelling moisture and rain, And though it cause cold and humors, by nipping the earth, and many times the forward buds of the Spring, yet it driveth away all noysome ayres, and so is a means to preserve health.

4. *Auster* or *Notus*, the South wind is hot and moist, breeding thick clouds and sickness.

Of Weights and Measures.

O. Troy Weight.

Apothecaries Weight.

24 Grains	} MAKE	1 Peny w.	20 Grains	} MAKE	1 Scruple.
20 Peny weig.		1 Ounce.	3 Scruples		1 Dram.
12 Ounces		1 po. Troy	8 Drams		1 Ounce.
			12 Ounces		1 Pound.

Of *Averdupois* Weight, a Pound whereof is equal to 14 Ounces, 12 peny weight *Troy*; by which Weight is weigh'd any thing which beareth the Name of Garbel in this kind of weight.

16 Drams	} MAKE	an Ounce.	28 Pound	} MAKE	1 Quarter.
16 Ounces		a Pound.	4 Quarters		1 H or 112
			20 Hundreds		1 Tun.

Of Liquid Measure

Dry Measure.

2 Pints	} MAKE	1 Quart.
2 Quarts		1 Pottle.
2 Pottles		1 Gallon
8 Gallons		1 Firkin of Ale, Sope, Herrings
9 Gallons		1 Firkin of Beer.
10 Gall. $\frac{1}{2}$		1 Firkin of Salmon or Eels
2 Firkins		1 Kilderkin
2 Kilderk.		1 Barrel.
42 Gallons		1 Tierce of Wine.
63 Gallons		1 Hogshead
2 Hogsh.		1 pipe, Butt.

2 Gallons	} MAKE	1 Peck.
4 Pecks		1 Bushel
5 Pecks		land meas.
8 Bushels		1 Bushel
4 Quarters		wat. meas.
5 Quarters	} MAKE	1 Quarter.
		1 Chalden.
		1 Wey.

Long Measure.

3 Barly Corns	} MAKE	1 Inch.
12 Inches		1 foot
3 feet		1 Yard
3 feet 9 Inch.		1 Ell.
6 feet		1 fathom
5 yards and $\frac{1}{2}$		1 Pole.
4 Poles		1 furlong.
8 furlongs		1 En. mile

Land Measure.

Cloth Measure.

1 Pole in breadth and 40 in length make a Rood of Land	} MAKE	4 Nails	1 Quarter.
4 Roods make an Acre, w ^{ch} contains 160 square Pole.		4 Quarters	1 Yard.
		5 Quarters	1 Ell
		3 Quarters	1 Ell Flem.

The value of Forreign Coins in English money.

Weights & Measures mentioned in Scripture.

	lb.	sh.	d.	
Hebrew Talent in Gold	4500	0	0	A Shekel in weight $\frac{1}{4}$ of an Ounce.
Hebrew Talent in Silver	375	0	0	Sackel of the Sanctuary $\frac{1}{2}$ an ounce.
Alexandrian Talent	375	0	0	A Talent 62 pounds.
Egyptian Talent	250	0	0	A Pound 12 ounces.
Babylonian Talent	218	15	0	A Mules burthen 200 weight.
Attick Talent	187	10	0	A Log half a pint.
Sesterium of Rome	7	16	3	A Hin 3 quarts.
A Shekel	•	2	6	A Bath 9 Gallons 3 quarts.
Argenteus	•	2	6	A Pot or Sextary, a pint and an half.
A Drachma	•	•	7 $\frac{1}{2}$	A Measure of Choenix, a quart.
A Rubble	•	13	4	A Firkin 4 Gallons and an half.
A Sultany	•	7	6	A Kab, a quart.
A Ducat	•	6	8	An Omer 3 pints & an half.
A French Crown	•	6	6	A Measure or Seah 2 gallon & an h lf.
A Xeriffe	•	6	0	An Ephah, half a Bushel and Po tle.
A Rix Dollar	•	4	8	Half Homer or Lechech, 7 bush. & quart.
A Floran	•	3	0	
A Frank	•	2	0	
A Livre at Paris	•	1	6	
A Guilder	•	2	0	
A Spanish Real	•	0	6	
A Sous	•	0	19	
A Turkish Asper	•	0	19	
A Maravidis	•	0	09	

5 Stivers are equal to 6 pence Sterling, 6 Stivers are a Flemish Shilling, 20 Stivers or Solds Turnois make a Gilder, and 120 Stivers make a Livre or pound Flemish, which is reckoned equal to 12 shillings Sterling. The Ducatoons are equal to 16 Dutch shillings or 60 Stivers; Patatoons are equal to 48 Stivers or 8 Dutch shillings, 8 Doits make a Stiver. The weight called a Quintal is 104 pound, in some places 108.

Forreign

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Forreign Coin reduced to English Money.

Spanish Money.

6 Conrades	}	make 1	{	Mervid
14 Mervids.				Ryal or 6 d. English.
11 Ryals				Ducat
8 Ryals				Piece of 8, or 4 s. English.
4 Quartiliards				

Portugal Money.

10 Res	}	Makes 1	{	Ryal or 6 d. English.
1 Ryals				Telloon
1 Telloons or 10 Ryals				Ducat
1 Ducats				Milti of Gold.

Frentb Money.

12 Deniers	}	Make 1	{	Soulk
20 Soulx				Frank or Liver
16 Soulx				Cardeque
4 Carducas				Crown.

Scotch Money.

1 Small Piece	}	Make	{	2 d. 1 q English
3 Small Pieces				1 Noble Scotch or 6 d. $\frac{3}{4}$ Engl.
1 Nobles Scotch				1 Mark or 13 d. $\frac{1}{2}$ Engl.
3 Nobles Scotch				1 l. Scotch or 20 d. Engl.

Flemish Money.

1 Pence	}	is	{	1 Groat
2 Groats				1 Single stiver
20 Single Stivers				1 Doub. Stiv. or 3 d. 1 q. Eng.
20 Sin. Stiv. or 10 doub.				1 Guil. or 3 s. 4 d. Engl.
6 Guilders				1 Pound.

Swallow 1699.

A plain and easie Table shewing the true Interest due upon any Sum of Money from five Shillings to an Hundred Pounds, for a Year or under, after the rate of Six Pounds in the Hundred.

	Shil.	1 month.			3 months			6 months			9 months			A Year.		
		sh.	p.	q.	sh.	p.	q.	sh.	p.	q.	sh.	p.	q.	sh.	p.	q.
Pounds.	5	0	0	1	0	0	3	0	1	3	0	2	2	0	3	2
	10	0	0	2	0	1	3	0	3	2	0	5	0	0	7	0
	15	0	0	3	0	2	2	0	5	1	0	8	2	0	10	2
	1	0	1	0	0	3	2	0	7	0	0	10	2	1	2	1
	2	0	2	1	0	7	0	1	2	1	1	9	1	2	4	2
	3	0	3	2	0	10	2	1	9	1	2	7	3	3	6	3
	4	0	4	3	1	2	1	3	4	2	3	6	3	4	9	0
	5	0	6	0	1	6	0	3	0	0	4	6	0	6	0	0
	6	0	7	0	1	9	2	3	7	0	5	4	2	7	2	1
Tens of Pounds.	7	0	8	1	2	1	0	4	2	1	6	3	1	8	4	2
	8	0	9	2	2	4	2	4	9	1	7	1	3	9	6	3
	9	0	10	3	2	8	1	5	4	2	8	0	3	10	9	0
	10	0	1	0	0	3	0	0	6	0	0	9	0	0	12	0
	20	0	2	0	0	6	0	0	12	0	0	18	0	1	4	0
	30	0	3	0	0	9	0	0	18	0	1	7	0	1	16	0
	40	0	4	0	0	12	0	1	4	0	1	16	0	2	8	0
	50	0	5	0	0	15	0	1	10	0	2	5	0	3	0	0
	60	0	6	0	0	18	0	1	16	0	2	14	0	4	12	0
	70	0	7	0	1	1	0	2	2	0	3	3	0	4	4	0
	80	0	8	0	1	4	0	2	8	0	3	12	0	4	16	0
	90	0	9	0	1	7	0	2	14	0	4	1	0	5	8	0
	100	0	10	0	1	10	0	3	0	0	4	10	0	6	0	0

Find the Principal in the first Column, and in the other you have the Interest due for One, Three, Six, Nine, or Twelve months.

A Table shewing how many Inches in Length makes one Foot of Timber, according to the Compass of any Round Piece of Timber.

The Compass of the Tree in Inches.

Com.	In.	parts.	Com.	In.	parts.	Com.	In.	parts.
10	217	15	40	13	572	70	4	432
11	179	46	41	12	916	71	4	308
12	150	80	42	12	310	72	4	198
13	128	49	43	11	744	73	4	75
14	110	79	44	11	211	74	3	965
15	94	312	45	10	723	75	3	861
16	84	812	46	10	262	76	3	760
17	75	137	47	9	830	77	3	663
18	67	20	48	9	425	78	3	569
19	60	151	49	9	44	79	3	479
20	54	286	50	8	686	80	3	393
21	49	228	51	8	349	81	3	310
22	44	865	52	8	30	82	3	230
23	40	904	53	7	730	83	3	152
24	37	690	54	7	447	84	3	78
25	34	743	55	7	178	85	3	6
26	32	122	56	6	924	86	2	936
27	29	787	57	6	684	87	2	869
28	27	697	58	6	455	88	2	804
29	25	820	59	6	238	89	2	742
30	24	127	60	6	30	90	2	681
31	22	596	61	5	836	91	2	622
32	21	206	62	5	649	92	2	566
33	19	936	63	5	471	93	2	511
34	18	784	64	5	301	94	2	458
35	17	736	65	5	140	95	2	406
36	16	755	66	4	985	96	2	356
37	15	862	67	4	837	97	2	307
38	15	38	68	4	696	98	2	261
39	14	276	69	4	561	99	2	216
					100	2		171

The use of the Table.

First girt the Piece about, then look the length of that Girt under the title Com. and against it is the length of a Foot solid in Inches and parts of Inches.

Example.

Suppose a piece of Timber be 80 Inches about, then look 80 under the title Com. and against it in the next Column toward the right hand is 3 Inches and 393 decimal parts of an Inch, (that is 393 thousand parts, supposing the Inch to be divided into 1000 parts) for the length of a Foot.

For Square Timber.

Divide always 1728. the Cubick inches, in a foot solid, by the Content at the end, and the Quotient shews the length of a foot solid in Inches.

Example.

Let a piece of Timber be 12 Inches broad and 10 Inches deep at the end, and then the Content will be 120 Inches, which dividing 1728 the Quotient is 14 Inches, and $\frac{48}{100}$ parts for the length of a foot solid.

For Boards.

Divide always 144 (the Inches in a foot square) by the breadth, and the Quotient shews the length of a foot square in Inches.

Example.

If a board be 16 Inches broad, then 144 divided by 16 the Quotient is 9 Inches for the length of a foot according to that breadth.

For Circles.

If the Circumference be given, multiply it by it self, and then by 7, the last product divide by 88, and the Quotient shews the Content: if the Diameter be onely given, multiply it by it self, and then by 11 the last product divide by 14 and the Quotient shews the Content.

A Table of the hour and minute of Sun-rising every second day.

Days	Januar.		Februa		March		April		May		June	
	ho	mi.	ho	mi.	ho.	mi.	ho.	mi.	ho.	mi.	ho.	mi.
2	8	4	7	15	6	16	5	12	4	21	3	46
4	8	1	7	11	6	12	5	10	4	17	3	45
6	7	58	7	7	6	8	5	6	4	14	3	44
8	7	56	7	3	6	4	5	2	4	11	3	43
10	7	53	6	57	6	0	4	58	4	7	3	43
12	7	51	6	53	5	56	4	54	4	5	3	43
14	7	48	6	50	5	52	4	50	4	2	3	43
16	7	45	6	46	5	48	4	46	4	0	3	42
18	7	43	6	42	5	44	4	43	3	58	3	42
20	7	40	6	38	5	40	4	39	3	56	3	40
22	7	37	6	34	5	36	4	35	3	54	3	47
24	7	33	6	30	5	32	4	32	3	52	3	48
26	7	29	6	26	5	29	4	29	3	50	3	49
28	7	25	6	22	5	25	4	25	3	48	3	50
30	7	21	0	0	5	21	4	22	3	47	3	52
Days	July		August		Septem.		Octob.		Nov.		Decem	
	ho	mi.	ho	mi.	ho	mi.	ho	mi.	ho	mi.	ho.	mi.
2	3	54	4	39	5	39	6	41	7	37	8	19
4	3	56	4	43	5	42	6	45	7	40	8	15
6	3	58	4	46	5	46	6	49	7	44	8	16
8	4	0	4	50	5	50	6	52	7	47	8	17
10	4	3	4	54	5	54	6	56	7	51	8	17
12	4	6	4	58	5	58	7	0	7	54	8	17
14	4	8	5	2	6	2	7	4	7	57	8	17
16	4	11	5	6	6	6	7	8	7	59	8	16
18	4	15	5	10	6	11	7	12	8	1	8	15
20	4	18	5	14	6	15	7	15	8	3	8	15
22	4	21	5	18	6	20	7	19	8	5	8	14
24	4	24	5	21	6	24	7	22	8	7	8	12
26	4	27	5	25	6	28	7	25	8	9	8	10
28	4	30	5	29	6	32	7	29	8	11	8	9
30	4	34	5	32	6	36	7	32	8	13	8	7

Seek the day on the side; and right against it, in every month, you have the hour and minute of the Sun-rising.

I look how many minutes the Sun rises after 3, 4, 5, 6, 7, 8. So many he sets before 9, 8, 7, 6, 5, 4.

Swallow 1699.

A Table shewing how to find Easter for ever
by the help of the Golden Number
and Dominical Letter.

G.N	A	B	C	D	E	F	G
i	Apr. 9	10	11	12	6	7	8
ii	Mar. 26	27	28	29	30	31	apr. 1
iii	Apr. 16	17	18	19	20	14	15
iv	Apr. 9	3	4	5	6	7	8
v	Mar. 26	27	28	29	21	24	25
vi	Apr. 16	17	11	12	13	14	15
vii	Apr. 2	3	4	5	6	mar. 31	apr. 1
viii	Apr. 23	24	25	19	20	21	22
ix	Apr. 9	10	11	12	13	14	8
x	Apr. 2	3	mar. 28	29	30	31	apr. 1
xi	Apr. 16	17	18	19	20	21	22
xii	Apr. 9	10	11	5	6	7	8
xiii	Mar. 26	27	28	29	30	31	25
xiv	Apr. 16	17	18	19	13	14	15
xv	Apr. 2	3	4	5	5	7	8
xvi	Mar. 26	27	28	22	23	24	25
xvii	Apr. 16	10	11	12	13	14	15
xviii	Apr. 2	3	4	5	mar. 30	31	apr. 1
xix	Apr. 23	24	18	19	20	21	22

Year of our Lord	1698	1699	1700	1701	1702	1703	1704
------------------------	------	------	------	------	------	------	------

G.N.	1	2	3	4	5	6	7
D. Le.	D	CB	A	G	F	ED	C

The

Swallow 1699.

The use of the Tables.

THE first Table shewing the decrease of one Pound yearly at 6 per cent. may be used in buying Reversions, &c. As suppose a parcel of Land or House or the like, whose fee simple or real worth is 200^{lb}, and it be Mortgaged or Leased out for 20 years, then what is the Reversion thereof after that 20 years worth in ready Money? for answer, I look against 20 years and find that the Reversion of one Pound after 20 years is worth but 6th 2^d 3^q, then if 1^{lb} be worth 6th 2^d 3^q, 200^{lb} will be 200 times as much, which will be 62^{lb} 5th 10^d for the value of the reversion required.

The second Table may be used in buying of Leases, &c. as suppose I am to buy a Lease of 10^{lb} per annum, for 21 years, what ready money may I give at the rate of 6th per cent. per ann. for answer, I look against 21 years and find that 1^{lb} annuity to continue 21 years is worth in ready money 11^{lb} 15th 3^d 1^q, then I say if 1^{lb} annuity for 21 years be worth 11^{lb} 15th 3^d 1^q, then 10^{lb} annuity for the same time will be worth 10 times as much, which will be 117^{lb} 12th 8^d 2^q, for the value of the Lease required.

The third Table may be used in putting out money for a certain time at 6th per cent. per ann. as suppose 20^{lb} be let out for 7 years what will it amount to in that time, reckoning Interest upon Interest? For answer, I look against 7 years, and find that 1^{lb} will amount to in that time 1^{lb} 10th 0^d 3^q, then I say 20^{lb} will amount to 20 times as much, which will be 30^{lb} 1th 3^d.

The use of the following Table is plain and easie, for suppose I am to find *Easter* this present year 1699. the having found the Golden Number 9, and Dominical Letter A at the bottom of the Table, I look under the Dominical Letter A at the top, and right against the Golden Number 9 at the left hand, and in the Common angle of meeting I find *April 9 Easter Day*.

A Table of Annuities and Reversions.

What 1 pound to
be paid any num-
ber of years hence,
under 31, is worth
in ready money.

What 1^{lb} Annuity
to continue any time
under 31 years is
worth in ready mo-
ney at 6 per cent.

What 1 pound will
amount to at any
time under 31 years
reckoning Interest
upon Interest.

	sh.	d.	q.	lb.	sh.	d.	q.	lb.	sh.	d.	q.
1	18	10	2	0	18	10	2	1	1	2	2
2	17	9	2	1	16	8	0	1	2	5	2
3	16	9	2	2	13	5	2	1	3	9	3
4	15	10	0	3	9	3	2	1	5	3	0
5	14	11	1	4	4	3	0	1	6	9	0
6	14	1	1	4	18	4	1	1	8	4	1
7	13	3	2	5	11	7	3	1	10	0	3
8	12	6	2	6	4	2	1	1	11	10	2
9	11	10	0	6	16	0	1	1	13	9	2
10	11	2	0	7	7	2	1	1	15	9	3
11	10	6	2	7	17	8	3	1	17	11	1
12	9	11	1	8	7	8	0	2	0	3	0
13	9	4	2	8	17	0	2	2	2	7	3
14	8	10	0	9	5	10	3	2	5	2	2
15	8	4	0	9	14	3	0	2	7	11	1
16	7	10	2	10	2	1	2	2	10	9	2
17	7	5	0	10	9	6	2	2	13	10	1
18	7	0	0	11	16	6	2	3	17	1	0
19	6	7	1	11	3	2	0	3	0	6	0
20	6	2	3	11	9	4	3	3	4	1	3
21	5	10	2	11	15	3	1	3	7	11	3
22	5	6	2	12	0	10	0				
23	5	2	3	12	6	0	3				
24	4	12	1	12	11	0	0				
25	4	7	2	12	15	8	0				
26	4	4	3	13	0	0	3				
27	4	1	3	13	4	2	2				
28	3	11	0	13	8	1	3				
29	3	9	1	13	11	9	2				
30	3	5	3	13	15	3	2				

By this Table you
may readily find the
increase of any other
sum for such a num-
ber of years: for if 1^{lb}
come to so much
then such suppose
5^{lb} will come to 5
times as much &c.

Th

Swallow 1699.

The Names of the principal Fairs in England, as they have heretofore been set forth by others, and are now Corrected and continued for the common good.

January.

THE 5 day at Hicetford in Lancashire, the 6 day at Salisbury, Tuesday after at Melton-Mowbray, the Thursday after at Banbury: the third Tuesday in January at Potton: the 25 at Gravesend, Bristol, Churchinford, Northallerton in Yorkshire every Wednesday from Christmas till June.

February.

The 1 day at Bromley in Lancashire, the 2 at Reading in Barkshire, at Maidston, Bickleworth, Bicklesfield, Bath, Lyn, Bugworth: the 6 day at Stafford for 6 days: the 14 at Oundle, Feverham: 24 at Henley upon Thames, Baldock: On Ashwednesday at Royfton, Dunstable, Eaton, Tamworth, Tunbridg, Lichfield, Exeter, Ciceter. The first Thursday in Lent at Banbury: the 26 at Stanford an Horse Fair.

March.

The 3 day at Bromel-brakes in Norfolk, 4 at Bedford, at Oakham: 12 at Alscome in Norfolk, Sudbury, Wooburn, Stanford, at Wye: 13 at Bodwin in Cornwall: 20 at Durham. Alesbury: Munday before our Lady day at Kendal, at Wisbich. 25 at Huntington, Northampton, Malder, Ashwell in Hartfordshire, Newcastle, Oney, S. Albans: Midlent Saturday at Saffron-Walden: Palm Sunday-eve at Wisbich, Worcester, Pomfret, on Goodfriday at Norwich, the Tuesday before Easter at Potton.

April.

Easter Munday at Oney in Bedfordshire, Gainsborough. Easter Tuesday at Daintry in Northamptonshire, Godmanchester, Schole in Norfolk, S. Edmunds-bury. On Wednesday at Wellingborough in Northamptonsh. On Friday

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In the same week at Darby. On Saturday at Bicklefworth : 2 day at Hitchin, at Rochford, Northfleet : 5 at Wallingford : 7 at Derby, 9 at Billingsworth, Bicklefworth : the 22 at Stabford, 23 at Ipswich, Harbin in Norfolk, Northampton, Sapfar in Hartfordshire, Charing, Hinningham, Tamworth, Bury in Lancashire. S^t Pombs in Cornwal, Ampthill, Chichester, Engfield, Gilford, Bishops-Hatfield : the 25 at Buckingham, at Bourn in Lincolnsh. at Colebrook, Dunmow in Essex, Darby, Oakham in Rutlandshire : the 29 at Tenderden in Kent, Cleet. 30 at Beverly a week together.

May.

The 1 day at Swaffam, Haveril in Essex, Laytonbuzzard in Huntingtonshire, Rippon in Yorksh. Reading, Maidstone, Chelmsford, Leicester, Litchfield, Loxfield in Suffolk, Stow, Stansted, Tuxford in the Clay, the 3 day at Elstow in Bedfordshire, Noneaton in Warwicksh. Therford in Norfolk, Waltham Abby, Hinningham, Rochdale, Bramyard, the 6 at Almesbury, at Ashford, 7 at Newton in Lancashire, Beverly, Oxford, Bath : the 8 at Maidstone : the 11. 12. 13. at Applechaw, 19 at Rochester, Dunstable, Magfield in Suffolk. On Rogation Munday at Reach. On Ascension day at Thaxted, Beverly, Rippon, Sudminster, Bishopstratford, S. Neots, Wickham in Lancashire, Middle-wich in Cheshire, Chappel-Frith in Darbish. On Whitsun-even at Skipton in Craven. On Whitsun-Munday at S. Ives, Rygate in Surry, Bicklefworth, Bradford, Agmuntham in Buckinghamsh. On Whitsun-Tuesday at Newmarket. On Wednesday at Royston. Thursday at Owndle in Northamptonsh. 26 at Lenham, 29 at Crainbrook.

June.

Trinity-even at Rowel, Kendal. On Corpus Christi day at Banbury, Bishopstratford, S. Neots, Coventry, Newbury. The 3 at Alesbury : 9 at Maidstone. 11 at Breme in Norfolk, Bardfield in Essex. 17 at Hadstock, 23 at S. Albans, Deerham in Norfolk, Shrewsbury, 24 at Halson in Suffolk, Barnwel by Cambridge, Bedford, Colchester, Hartford,

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Hartford, Leicester, Rumford, Reading, Windsor, Hallifax, York, Beverly, Haslingden, 26 at Bristol, Darby. 27 at Burton on Trent, Folfstone, 28 at S. Pombs in Cornw. 29 at Peterborough, Ashwel, Sudbury, Stebbing in Essex. Benington in Hartfordshire.

July.

The first Tuesday at Potton. The 1, 2, 3 days at Conglestone in Cheshire, 7 at Royston, Burntwood. The Munday after at Fodringham, at Canterbury: the 11 at Partney, 17 at Stevenage: 20 at Uxbridge, Coolidge, Woodstock. The 22 at Ickleton, Bicklesworth, Norwich, Colchester, Newark upon Trent; 25 at Audley-end by Walden, Reading, Baldock, Darby, Dover, Erith, Ipswich, Stamford.

August.

The first day at Bedford, S. Neots, Dunstable, Feverham, Wisbich, Bicklesworth, Thaxted: the 6 at Peterborough: the 10 at Blackmore, Harply in Norfolk, S. Ives, Bedford, Banbury, Farnham, Brainford, Owndle: the 15 at Cambridge, Huntingdon, Dunmow, Luton, Northampton: the 24 at London, Sudbury, Norwich, Oxford, Northallerton, Dover, Beggars-bush, Burton, the 28 at Ashford, Daintry, : the 29 at Halsou in Suffolk, Harlow-Bush in Essex, Watford.

September.

The first day at S. Giles in the Bush. On Thursday and Friday before the 8 day at Sandback in Cheshire. 7, 8, 9, 10 at Woodbury hill in Dorsetshire, 7 at Ware, 8 at Huntingdon, Bury in Lancashire, Partney, Wakefield, Northampton, Sturbridge fair begins: The 11 at Woolpit in Suff. 14 at Rippon, Waltham-Abby, Chesterfield in Darbshire, Richmond: the 21 at Marlborough, Bedford, Baldock, S. Edmundsbury, Holden in Holderness, Braintry, Brackly-Maiden, Malden, Mildnal: the 29 at S. Ives, Basingstoke, Marketdeeping, Shelford in Bedfordsh. Bishopstratford. Malden, Stow in Lincolnsh. S. Albans, Canterbury, Leicester, Newbury, Westchester, Weymer for 7 days: Thursday after at Banbury.

October.

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October.

The 2 day at Salisbury, the 6 at Havent in Hampf. Maidstone, Goolidge, Gayworth by Lyn, S. Faiths by Norwich: the 8 at Bishopstratford, Harborough, 9 Gainsborough: the 13 at Winfor, Colchester, Gravesend, Hitchin, Royfton: the Tuesday before S. Luke at Potton: 18 at Ely, Bishop Hatfield, Barner, Banbury, Thrift, Burton, on Trent, Wellinborough: the 21 at Saffron Walden, Coventry: the 23 at Bickelworth, 24, 25, 26, at Applechaw, 28 at Newmarker Hartford, Oxford, Difs, Wakefield, Stamford, Richdale, in Lancashire.

November.

The 1 day at Chelmsford, 2 at Epping, Kingston on Thames, Padamhaston in Suffolk, 6 at Newportpond, Bedford, Hartford, 11 at Lodden in Norfolk, Lenton in Nottinghamshire, Hempton, Fockingham, Bridgestock, Marlborough: the 17 at Spalding in Lincolnsh. Lincoln, Harlow, Hide, Northampton: the 19 at Horsham in Kent: the 20 at S. Edmundsbury, Ingerston in Essex, Heath. the 23 at Sandwich, the 30 at Baldock, Bareford, Kolingborough, Maidenhead, Warrington, Rochester, Wakefield, York.

December.

The first day at Tutbury: the 5 at Pluckley: the 9 at S. Neots, at Woodstock, Exeter, Spalding, Norwich in Cheshire, Seven-oak in Kent, Arundel, Grantham: the 7 at Sandhurst, the 8 at Northampton, Clicheral in Lancashire, Huntingdon, Leicester, at Malpas in Cheshire: the 29 at Canterbury, Salisbury.

Advertisements.

Breimans true Spirit of Scurvy-Grass, both plain and Golden, so long famous for the cure of the Scurvy, Gout, Dropfie, and several other Chronical Diseases, are still prepared by *John Hooker* and Partner, and sold by them at their house in *Pauls Chain* near *Dollers Commons*. price 1 s. each Bottle.

Also the Grand Balsamick Pill, prepared chiefly for the Distempers of the Head and Stomach, made and sold by *John Hooker* at his house aforesaid, price 1 s. the Box.

F I N I S.